North America's Leader in Hazardous Material Information Management

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MSDS PRODUCT INFORMATION

Date: 10/07/2005

To: MSDS Requester

From: 3E Company

Subject: The MSDS you have requested

[ ] MSDS NOT REQUIRED
In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communicatin Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

[X] MSDS DISCONTINUED PRODUCT
In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

[ ] MSDS BEST COPY AVAILABLE
The MSDS attached is the best copy available from the manufacturer.

[ ] MANUFACTURER NO LONGER IN BUSINESS
In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Weyerhaeuser Company

Product Name: Insulative Foam Panel (Glazeguard 1000) (DISCONTINUED)

Manufacturer Name and Address:
Weyerhaeuser Company
Tacoma, WA 98477

Material Safety Data Sheet

Insulative Foam Panel

1 PRODUCT IDENTIFICATION

Product	Manufacturing Location	Telephone Numbers	
		Emergency	Information
Insulative Foam Panel	Indianapolis, IN	(317) 879-9400	(317) 879-9400

Synonyms: Aluminum Clad Panel **Date Prepared:** 5/24/89 **Date Revised:** 8/28/89 **Prepared By:** Corporate Safety & Health Services

2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Chemical or Common Name/ CAS#	Percent	Exposure Limits		
Plywood or Tempered Hardboard CAS# None	~63	OSHA PEL-TWA	5 mg/m³	(a)
		OSHA PEL-STEL	10 mg/m³	(a)
		OSHA PEL-TWA	2.5 mg/m³	(b)
		ACGIH TLV-TWA	5 mg/m³	(c)
		ACGIH TLV-STEL	10 mg/m³	(c)
		ACGIH TLV-TWA	1 mg/m³	(d)
		WISHA PEL-TWA	5 mg/m³	(e)
		WISHA PEL-TWA	2.5 mg/m³	(f)
Aluminum CAS# 7429-90-5	~30	OSHA PEL-TWA	15 mg/m³	(g)
		OSHA PEL-TWA	5 mg/m³	(h)
		ACGIH TLV-TWA	10 mg/m³	(g)
Foam Core (polystyrene or polyisocyanurate) CAS# None	~4	OSHA PEL-TWA	None	
		ACGIH TLV-TWA	None	
Paint (fluoropolymer or acrylic) CAS# None	~2	OSHA PEL-TWA	None	
		ACGIH TLV-TWA	None	
Resin Solids (phenol formaldehyde or acrylic isocyanate) CAS# None	<1	OSHA PEL-TWA	1 ppm	(i)
		OSHA PEL-STEL	2 ppm	(i)
		ACGIH TLV-TWA	1 ppm	(i)
		ACGIH TLV-STEL	2 ppm	(i)
		WISHA PEL-C	1 ppm	(i)
		OREGON PEL-TWA	1 ppm	(i)
		OREGON PEL-STEL	2 ppm	(i)

(a) softwood or hardwood total dust
(b) western red cedar total dust
(c) softwood total dust
(d) selected hardwood total dust; beech, oak
(e) non-allergenic total dust
(f) allergenic total dust
(g) aluminum dust or oxide total dust
(h) aluminum dust or oxide respirable dust
(i) free gaseous formaldehyde

Appearance and Odor:
Insulative Foam Panel is an aluminum-overlaid plywood or tempered hardboard panel with a foam core. The product has little to no odor.

The wood component may consist of alder, aspen, beech, birch, cottonwood, fir, gum, hemlock, hickory, lauan, maple, oak, pecan, pine, poplar, spruce, walnut and/or western red cedar.

3 PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F or C):	NAP
VAPOR PRESSURE (mm Hg):	NAP
VAPOR DENSITY (AIR = 1):	NAP
SPECIFIC GRAVITY (H_2O=1):	0.40-0.80 (Wood) 2.7 (Aluminum)
MELTING POINT (F or C):	NAV
EVAPORATION RATE (BUTYL ACETATE = 1):	NAP
SOLUBILITY IN WATER:	Insoluble
% VOLATILE BY VOLUME @ 70°F:	0

4 FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NAP

Flammable Limits:
LEL: See below under "Unusual Fire and Explosion Hazards"
UEL: NAP

Extinguishing Media: dry chemical, carbon dioxide, sand

Autoignition Temperature (F or C): NAV

Special Firefighting Procedures: Metal fumes may be released during a fire. Firefighters should wear self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Depending on moisture content and, more importantly, particle diameter, wood dust may explode in the presence of an ignition source. An airborne concentration of 40 grams (40,000 mg) of dust per cubic meter of air is often used as the LEL for wood dusts.

Explosive mixtures may be generated on contact of aluminum with halogen acids, sodium hydroxide, bromates, iodates or ammonium nitrate. Fine aluminum chips, turnings, and dusts in air may explode if ignition source is present.

5 REACTIVITY DATA

Stability:
( ) Unstable (X) Stable
Conditions to Avoid: NAP

Incompatibility (Materials to Avoid):
Avoid halogen acids, sodium hydroxide, bromates, iodates, ammonium nitrate, oxidizing agents and solvents.

Hazardous Decomposition or By-Products:
Thermal decomposition products may include carbon monoxide, carbon dioxide, aldehydes, rosin acids, terpenes, polycyclic aromatic hydrocarbons, ozone, nitrogen oxides, hydrogen cyanide and metal fumes.

Hazardous Polymerization:
( ) May Occur (X) Will Not Occur
Conditions to Avoid: NAP

Weyerhaeuser

6 PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:

Not applicable for product in purchased form. Wood dust or aluminum shavings (fines) produced by cutting or remanufacturing may be vacuumed or shoveled for recovery or disposal. Avoid dusty conditions and provide good ventilation. Use NIOSH/MSHA-approved respirator and goggles where ventilation is not possible.

Waste Disposal Method:

If disposed of or discarded in its purchased form, dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether the user's product meets RCRA criteria for hazardous waste. Follow applicable federal, state or local environmental regulations.

Precautions to be Taken in Handling and Storage:

No special handling precautions are required. This product will release small amounts of gaseous formaldehyde. Store in well-ventilated, cool, dry place away from open flame. Do not store where product may contact halogen acids, sodium hydroxide, bromates, iodates, ammonium nitrate, oxidizing agents, and solvents.

Other Precautions:

A NIOSH/MSHA-approved respirator and goggles should be worn when the allowable exposure limits may be exceeded.

All "hot work" (welding, cutting) should be done under adequate ventilation to remove fumes and gases.

7 HEALTH HAZARD DATA

Primary Health Hazard(s):

The primary health hazards posed by this product are thought to be due to exposure to wood dust or aluminum shavings.

Primary Route(s) of Exposure:

( ) Ingestion
(x) Skin: Dust
(x) Inhalation: Dust

Acute Health Hazards:

Signs and symptoms of exposure; emergency and first aid procedures.

INGESTION:

Not applicable under normal use.

EYE CONTACT:

Wood dust or aluminum shavings (fines) may cause mechanical irritation.

Treat dust in eye as foreign object. Flush with water to remove dust particle. Get medical help if irritation persists.

SKIN CONTACT:

Wood dust(s) of certain species can elicit allergic contact dermatitis in sensitized individuals, as well as mechanical irritation resulting in erythema and hives.

Aluminum slivers or shavings may mechanically irritate the skin.

Get medical help if rash, irritation or dermatitis persists.

SKIN ABSORPTION:

Not known to occur under normal use.

INHALATION:

Wood dust may cause unpleasant deposit/obstruction in the nasal passages, resulting in dryness of nose, dry cough, and headaches.

Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Medical Conditions Generally Aggravated by Exposure:

Wood dust may aggravate preexisting respiratory conditions or allergies.

Chronic Health Hazards:

The federal department of Housing and Urban Development (HUD) recognizes phenolic panel products as low emitters of formaldehyde and has exempted them from the Testing and Certification Requirements of the Manufactured Home Construction and Safety Standards (24 CFR Part 3280).

Wood dust(s), depending on the species (for example, iroko, cocobolo), may cause allergic contact dermatitis with prolonged, repetitive contact, and respiratory sensitization after prolonged exposure to elevated dust levels (for example, western red cedar). Wood dust has been alleged to cause nasal/paranasal sinus cancer (certain European hardwoods: oak and beech).

Carcinogenicity Listing:

(x) NTP: Formaldehyde
(x) IARC Monographs: Formaldehyde
(x) OSHA Regulated: Formaldehyde

8 CONTROL MEASURES

Personal Protective Equipment:

RESPIRATORY PROTECTION:

Not applicable for product in purchased form. A NIOSH/MSHA-approved respirator is recommended when the allowable exposure limits may be exceeded.

PROTECTIVE GLOVES:

Not required. However, cloth, canvas or leather gloves are recommended to minimize potential mechanical irritation from handling product.

EYE PROTECTION:

Not applicable for product in purchased form. Goggles or safety glasses are recommended when machining this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENIC PRACTICES:

Follow good hygienic and housekeeping practices. Clean up areas where wood dust settles to avoid excessive accumulation of this combustible material. Minimize blowdown or other practices that generate high airborne-dust concentrations.

Ventilation:

LOCAL EXHAUST:

Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL):

Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

SPECIAL:

Self-contained breathing apparatus (SCBA) recommended when fighting fire.

OTHER: NAP

9 USER'S RESPONSIBILITY

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

10 ADDITIONAL INFORMATION

Definition of Common Terms:

ACGIH	=	American Conference of Governmental Industrial Hygienists
C	=	Ceiling Limit
CAS#	=	Chemical Abstracts System Number
IARC	=	International Agency for Research on Cancer
MSHA	=	Mining Safety and Health Administration
NAP	=	Not Applicable
NAV	=	Not Available
NIOSH	=	National Institute for Occupational Safety and Health
NTP	=	National Toxicology Program
OSHA	=	Occupational Safety and Health Administration
PEL	=	Permissible Exposure Limit
STEL	=	Short-Term Exposure Limit (15 minutes)
TLV	=	Threshold Limit Value
TWA	=	Time-Weighted Average (8 hours)
WISHA	=	Washington Industrial Safety and Health Administration